

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-V EXAMINATION – WINTER 2015

Subject Code: 150706

Date: 14/12/2015

Subject Name: Visual Basic Application and Programming

Time: 10:30am to 1:00pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) State the difference between VB and VBA. Also explain the advantages to use VBA. **07**
(b) What is a macro? Explain the limitations of a macro. Give an example stating application of Macro. **07**

- Q.2** (a) Explain event in VB? How can we do event driven programming in VB? Explain with the help of example. **07**
(b) What is Code Stepping? Explain the working of Step Into and Step Over tools. **07**

OR

- (b) Differentiate (1) textbox and label (2) check box and option button **07**

- Q.3** (a) What is Procedure? Define the scope of private and public procedure with example. **07**
(b) Write a VBA code for storing and displaying 10 numbers in an array. **07**

OR

- Q.3** (a) How do you declare variables in VBA? Explain scope and lifetime of variables. **07**
(b) Write a VB program to implement standard calculator with operation of addition, subtraction, division and multiplication. Assume suitable user interface and input parameters. **07**

- Q.4** (a) Explain with example the difference between pass by value and pass by reference to pass arguments in procedures. **07**
(b) Write a VB program to implement (1) Factorial of number using For loop (2) Check the year is leap year or not. Assume suitable user interface and input parameters. **07**

OR

- Q.4** (a) What is Error? Explain run time error. Also explain how run time errors can be handled in VB. **07**
(b) Write a function which accepts 2 numbers as arguments and returns the gcd of the two numbers. **07**

- Q.5** (a) Differentiate between MsgBox and Inputbox. Give example of each. **07**
(b) Write a short note: Digital signature. **07**

OR

- Q.5** (a) State steps for creating ActiveX Control and how to use an ActiveX in a new project. **07**
(b) Explain Different Types of "Resume" Statements with Example. **07**
